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Introduction of diX Parylene Coating

"Market Leader in Parylene purity for 10 years"

diX parylene has had a purity exceeding 99% since its launch in the U.S. market 10 years ago.

diX was the first parylene on the market that had a purity exceeding 99%. Other parylene dimers have a purity below 93%. diX has consistently provided high purity parylene for customers, who acknowledge the importance of pure dimer for "cleaner running". diX is the market leader in purity. Parylene makes a Poly-para-Xylylene film formed by the Chemical Vapor Deposition Process (CVD). The film thickness can be uniformly controlled in the micron range to conform to any shape, whether it has a sharp edge or a complicated internal surface without any thermal stress. The high purity of diX makes less by-product and brown residue during the coating process, which is common among parylene that is not as pure. Customers have consistently said that purity keeps the machine cleaner and gives them a clearer more consistent coating thickness.



Key Features

- 1) Excellent electrical and physical properties
- 2) Exceptional rust prevention and corrosion
- 3) Strong solvent resistance
- 4) High gas barrier properties
- 5) Low out-gassing
- 6) Thermal stability at O₂ free atmosphere
- 7) Radiation resistance at O₂ free atmosphere

diX Coating



Conformal
Pin-hole free
Thermal stress free (Cureless coating)

Spray or Dip Coating



Unconformal
Thin on the Edges and corners
Thermal stress (100 to 150°C)

diX is a conformal protective polymer coating material utilized to uniformly protect any component configuration on such diverse substrates as metal, glass, paper, resin, plastic, ceramic, ferrite and silicone. Because of its unique properties, diX conforms to virtually any shape, including sharp edges, crevices, points; or flat and exposed internal surfaces.

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